USER MANUAL

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INTRODUCTION

Thank you for purchasing the MultiPoint Workstation 8840. The MultiPoint Workstation (MWS8840) is designed specifically for Windows MultiPoint Server 2011. Simply connect it to an available USB port on the server and attach a monitor, keyboard, and mouse to add a new workstation. The MWS8840 features four high-speed USB 2.0 ports, audio and microphone ports and a VGA port that supports resolutions up to 1600 x 1200. Add up to ten MWS8840 per server. The MWS8840 provides an inexpensive and reliable way to expand your Windows MultiPoint Server 2011 for school and office running “office application”; “Home Entertainment” and “Full Screen Movie Playback” are not recommended.

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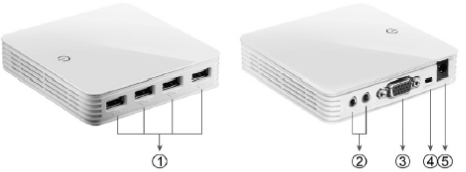
FEATURES

- Resolutions up to 1680 x 1050 (recommend), 1600 x 1200
- 4 USB 2.0 Ports
- Stereo Audio Output (Speaker/Headphone) and Mono audio input (Mic)
- USB 2.0 compliant
- Plug-and-Play compliant

APPLICATION



① 4 Hight-Speed USB Ports
② Audio Port (Speaker & Microphone)
③ VGA Port Supports up to 1600 x 1200
④ To PC (USB 2.0 Mini B type)
⑤ AC Power Jack

PACKAGE CONTENTS

- MWS8840
- VESA Mounting kits
- USB cable (2 Meters)
- 3A/5V AC Power Adapter
- Driver CD
- User Manual

MINIMUM SYSTEM REQUIREMENTS

- **Available USB 2.0 Port**
- **CPU –** One of the following:
  - x64-based Intel Pentium, Intel quad core (i7, i5, i3), XEON, Intel dual core.
  - Compatible processor (MultiPoint Server supports up to four core & eight core CPUs on one server)

  Note:

  1) AMD Opteron / Athlon, AMD Embed chipset is not recommend due to unstable keyboard/mouse operation which may not recognize under USB1.1 device.

  2) Intel Itanium Processor is not supported.

- **RAM –** The required RAM depends on the number of Workstation is needed:
  - 2 GB for 4 stations
  - 4 GB for 6 stations
  - 8 GB for 10 stations
- **Multi-core processor support**
  - Support up to 4 & 8 multi-core processors; dual-core is less powered and therefore only 2 to 3 workstation can be supported.
- **Minimum disk space for setup**
  - 32 GB

OPERATING SYSTEMS SUPPORTED

For optimal multimedia performance, we recommend the following CPUs:

- Dual-core processor: support up to 3 stations under low processing application.
- Quad-core processor: support up to 6 stations under low processing application.
- Core-i5 processor: support up to 6 stations under low processing application.
- Core-i7 processor: support up to 8 or 10 stations under low processing application.
- Windows MultiPoint Server 2011

FOR OPTIMUM VIDEO DISPLAY

Technically, short video playbacks can be supported but the operating system needs to be

- i7 processor
- Intel Sandy bridge chipset

Note: Extended video display at full screen is not recommended; it often exhausts CPU and force system with much lower performance.

REGULATORY COMPLIANCE

FCC / CE / C-tick / VCCI

Tested to comply with FCC Standards.

SUPPORTED DISPLAY RESOLUTIONS

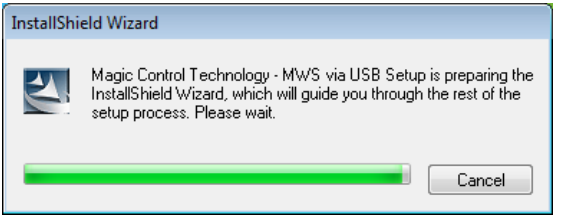
1680 x 1050
1600 x 1200
1600 x 900
1440 x 900
1400 x 1050
1360 x 768
1280 x 1024
1280 x 960
1280 x 800
1280 x 768
1280 x 720
1152 x 864
1024 x 768
800 x 600

DEVICE INSTALLATION - SOFTWARE

Installing the device driver enables Windows MutliPoint Server 2011 to recognize the MWS8840. Please make sure the MWS8840 is unplugged from your server before executing the setup program.

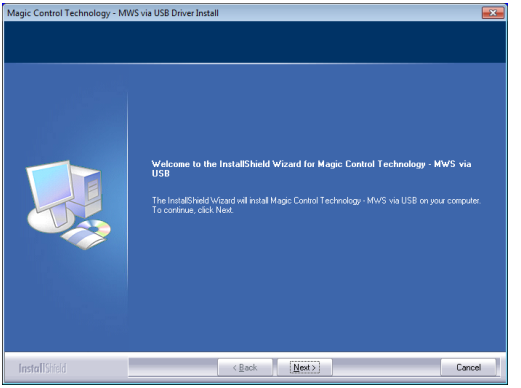
Step 1

Insert the Driver installation CD into the CD-ROM drive. The installer should start automatically. If it does not, double click **Setup.exe** to start the Installation Wizard.


InstallShield Wizard
Magic Control Technology - MWS via USB Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.
Cancel

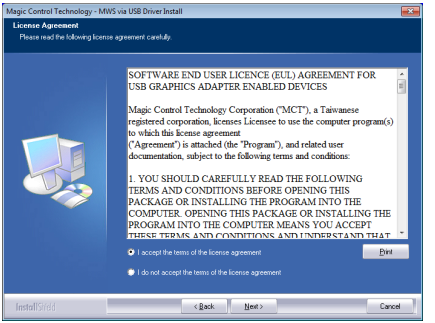
Step 2

Driver Installation Wizard, click **Next** to continue


Magic Control Technology - MWS via USB Driver Install
Welcome to the InstallShield Wizard for Magic Control Technology - MWS via USB
The InstallShield Wizard will install Magic Control Technology - MWS via USB on your computer. To continue, click Next.
InstallShield
< Back
Next >
Cancel

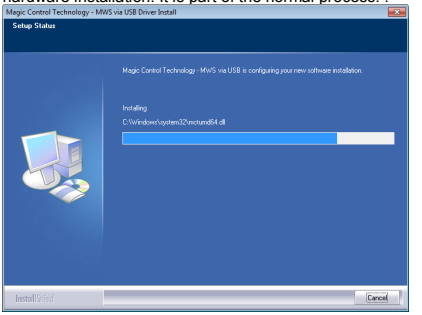
Step 3

License Agreement; review it and check **I accept the terms of the license agreement** Click **Next** to accept the License Agreement.


Magic Control Technology - MWS via USB Driver Install
License Agreement
Please read the following license agreement carefully.
SOFTWARE END USER LICENCE (EUL) AGREEMENT FOR USB GRAPHICS ADAPTER ENABLED DEVICES
Magic Control Technology Corporation ("MCT"), a Taiwanese registered corporation, licenses Licensee to use the computer program(s) to which this license agreement ("Agreement") is attached (the "Program"), and related user documentation, subject to the following terms and conditions:
1. YOU SHOULD CAREFULLY READ THE FOLLOWING TERMS AND CONDITIONS BEFORE OPENING THIS PACKAGE OR INSTALLING THE PROGRAM INTO THE COMPUTER. OPENING THIS PACKAGE OR INSTALLING THE PROGRAM INTO THE COMPUTER MEANS YOU ACCEPT
I accept the terms of the license agreement
Print
I do not accept the terms of the license agreement
InstallShield
< Back
Next >
Cancel

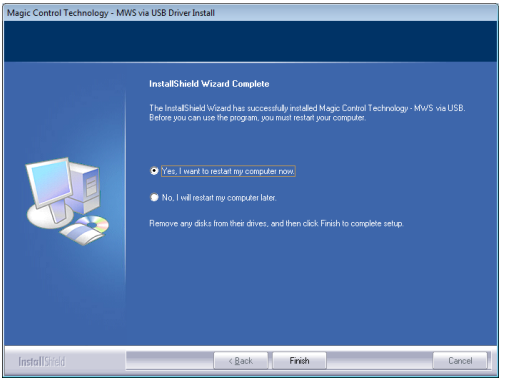
Step 4

Setup is searching for installed features... *You may notice the screen flashes during hardware installation. It is part of the normal process. .


Magic Control Technology - MWS via USB Driver Install
Setup Status
Magic Control Technology - MWS via USB is configuring your new software installation.
Installing
C:\Windows\system32\mctumd64.dll
InstallShield
Cancel

Step 5

Driver Installation Wizard, click **Finish** to continue and restart the computer.


Magic Control Technology - MWS via USB Driver Install
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed Magic Control Technology - MWS via USB. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
InstallShield
< Back
Finish
Cancel

INSTALLING MWS8840 HARDWARE

Step 1

Connecting monitor to the VGA connector of the MWS8840, turn on the monitor. Connecting power adapter, USB cable, keyboard, and mouse to the MWS8840.

Step 2

Connect one end of the USB cable to the MWS8840 and the other end to an available USB 2.0 port of your computer. The driver installation will proceed automatically.

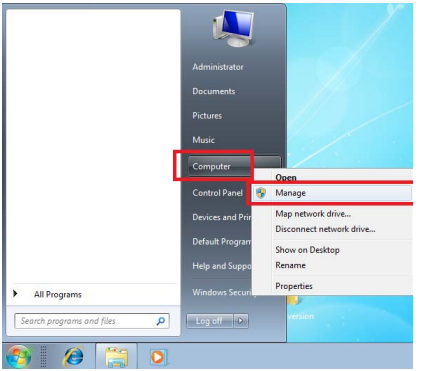
Step 3

Repeat steps 1 & 2 for the remaining MWS8840 on to other workstation.

VERIFYING THE MWS8840 CONNECTION

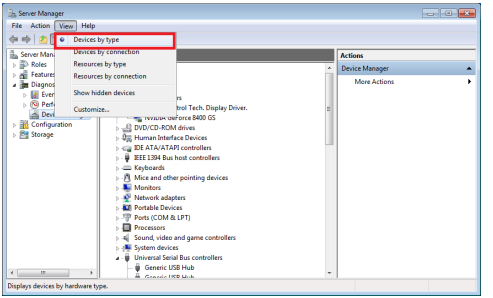
Step 1

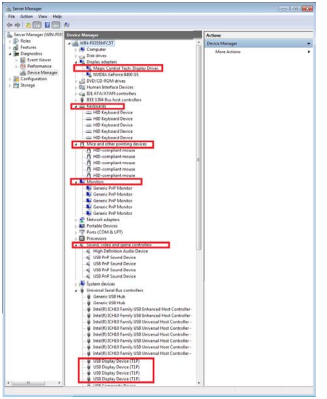
Right click ‘Manage’ from the ‘computer’ as the screen



Step 2

Point to ‘Device Manager’ on the left panel under ‘Server Manager’ go to ‘View’ and click ‘Devices by type’ as the picture showed.





SPLIT SCREEN ON Windows Multipoint Server 2011

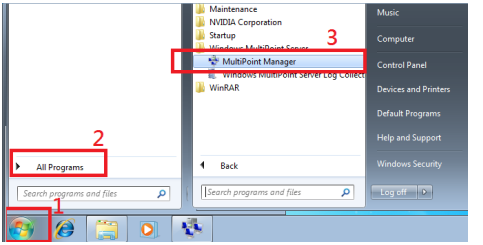
Any MultiPoint Server station monitor that has a resolution greater than 1024x768 can be split into two station screens using the split screen task on the Stations tab in MultiPoint Manager. The screen that is present on the monitor at the time that the splitting occurs moves to the left half of the monitor, and a new station's screen is created on the right half of the same monitor. The new station screen must be mapped to a keyboard, mouse, and USB hub to complete the creation of the new station. ---- **refer from page 12, *WMS2011 Planning Guide. Doc-Microsoft Word***
After a station is split, one user can log on to the left station while another user logs on to the right station as the figure 1 show below.

Figure 1: 8 Seats Implementation of Windows MultiPoint Server 2011 in split screen with using MWS8840

Please follow up the steps for split screen as below:

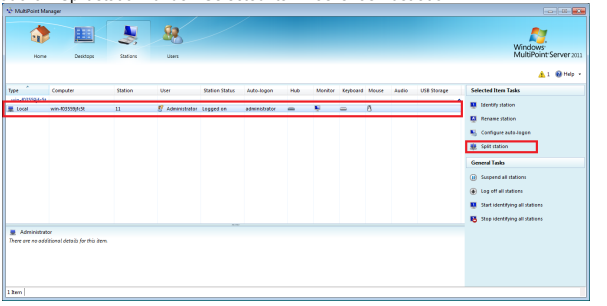
Step 1

Please follow up the procedure on illustration for getting into “MultiPoint Manager” as 1. Start -> 2. All Programs -> 3. Windows Multipoint Server -->☐MultiPoint Manager



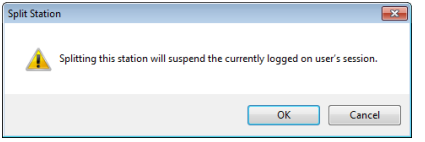
Step 2

Select “Stations” on MultiPoint Manager then highlight and click the local station after that click “Split station” under “Selected Item Tasks” as illustration.



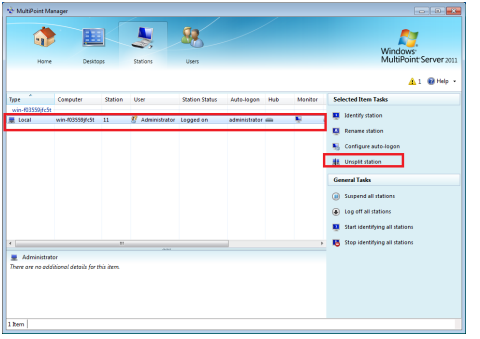
Step 3

Click OK to continue

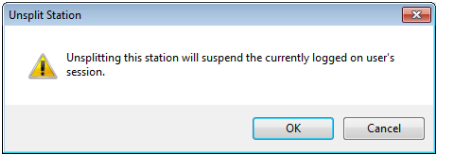


NOTE: TO DISABLE SPLIT SCREEN

Same procedure as above step1 for getting onto "MultiPoint Manager" and select "Stations" then highlight the local station and click "Unsplit station" under "Selected Item Tasks" as illustration.



Then click "OK" on the "Unsplit station" dialog to bring back into single station on the monitor.

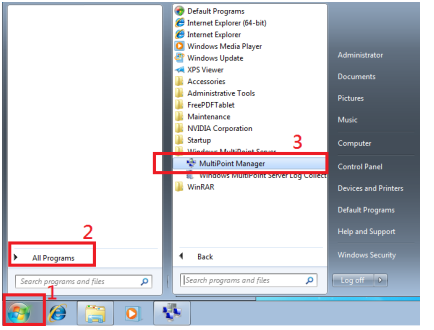


ADJUSTING THE SCREEN RESOLUTION

By default, Windows MultiPoint Server 2011 will select the recommended resolution for each connected display. However, if you would like to choose a different resolution, follow these steps:

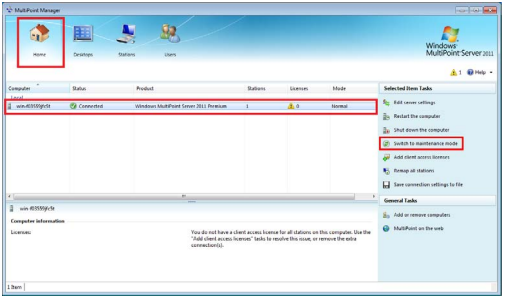
Step 1

Please follow up the procedure on illustration for getting into “MultiPoint Manager” as 1. Start -> 2. All Programs -> 3. Windows Multipoint Server -->☐MultiPoint Manager



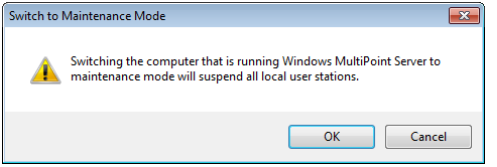
Step 2:

Go to MultiPoint Manager => Home =>Local Station => switch to maintenance mode



Step 3:

Click OK to continue

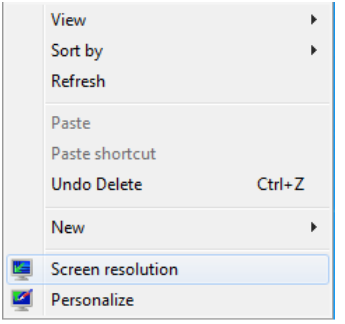

Switch to Maintenance Mode
Switching the computer that is running Windows MultiPoint Server to maintenance mode will suspend all local user stations.
OK
Cancel

Step 4

Press “Ctrl + Alt + Delete” to log in administrator into **Maintenance Mode**

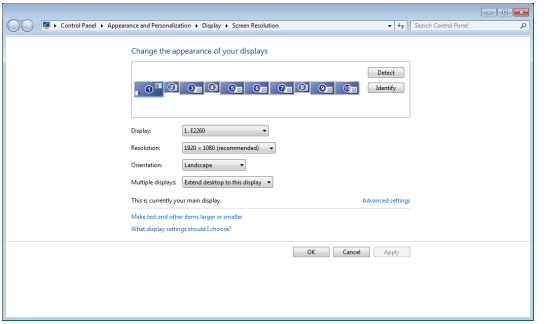
Step 5

Right click on the desktop and choose **Screen Resolution** from the contextual menu.



Step 6

Click Identify to **identify** each display. Then click on the display to be adjusted and choose the desired resolution from the **Resolution** dropdown menu. (suggest: better using the system recommend resolution)

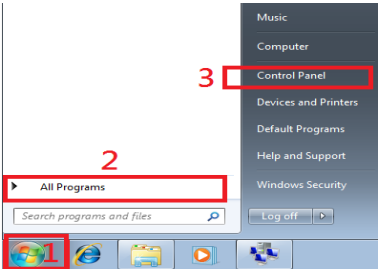


DEVICE DRIVER UN-INSTALLATION

The following procedure allows you to uninstall the MWS8840 device driver. Please make sure all MWS8840 are unplugged from your server before executing the device driver uninstallation program.

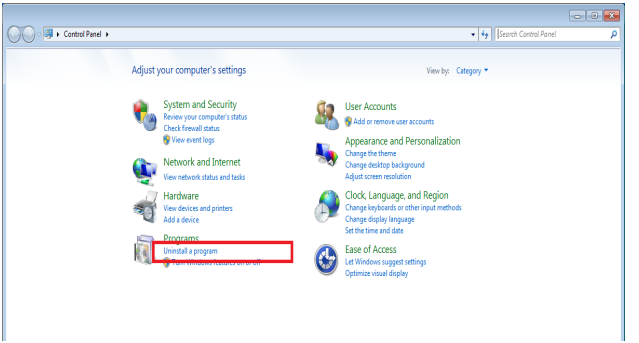
Step 1

1. Click Start -> 2. All Programs -> 3. Control Panel



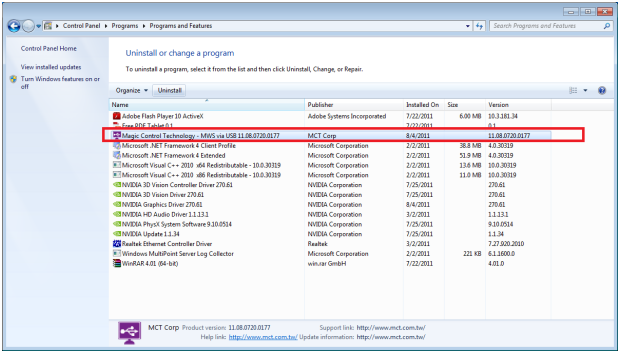
Step 2

Double click “Uninstall a program” as illustrated on the screen.



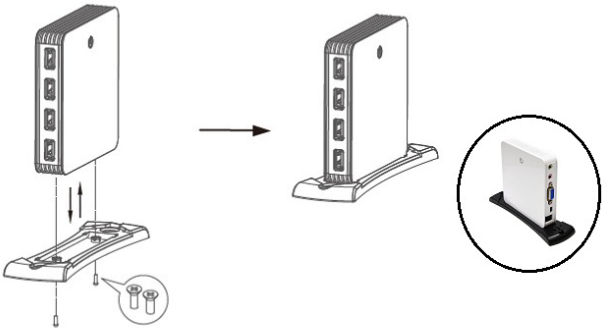
Step 3

Select the “Magic Control Technology – MWS xx.xx.xxxx.xxxx” item. Click Uninstall button.

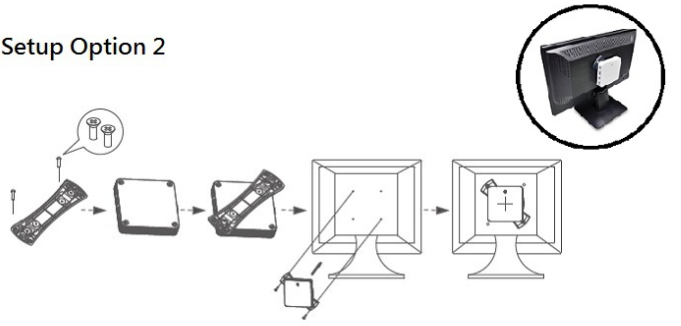


VESA MOUNTING

Setup Option 1



Setup Option 2



TROUBLESHOOTING TIPS

The following troubleshooting tips may help if you are experiencing any difficulties using our device.

- Check to make sure that all connectors are plugged in correctly.
- Make sure that the USB port that you are using is USB 2.0.
- Try a different USB 2.0 port
- Check to see that the monitor is connected correctly and the power is ON.
- Make sure to restart the server after the driver installation.
- Unplug the USB connector from MWS8840, re-insert after 10 seconds.
- Check the website to make sure you have the latest drivers.
- Reset/refresh/resynchronize your monitor.
- Full screen video display is not recommended; use Intel Sandy Bridge chipset may help with better performance.

For immediate support, visit http://www.mct.com.tw to find the latest documentation, Knowledge Base articles, and software for your device.

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